

Paho

Project Update

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Project Overview

- MQTT client libraries
 - Java client
 - C for Linux/Windows
 - Embedded C/C++
 - Python
 - .Net (just added!)
 - JavaScript, Lua, Go
- MQTT tools
 - “Conformance” tests
 - Various GUIs including Eclipse view

Project Overview

- MQTT-SN client libraries and tools
 - Embedded C
 - IBM Zurich contributions
 - Java Gateway (to MQTT)
 - Java client

Project Stats

- Downloads:
 - 874 – but no Maven repos or Javascript in that
 - Embedded Client only available in source
- 13 contributors in last 3 months
 - Includes comitters
 - New committer Paolo Patierno just on board
- 321 bugs – 81 unresolved
 - Includes those raised as features

Project Plan

- Graduated in June
 - Simultaneous release with Luna
- Ongoing work
 - MQTT Test Suite under development
 - Embedded client libraries for MQTT
 - MQTT-SN embedded clients, gateway and tools
- New
 - Android service design
 - "offline buffering" and automatic reconnect for mainstream clients

Project Plan - Future

- I am assuming the MQTT specification will evolve over the next couple of years. Would it make sense to start an incubator to try out some new ideas for the spec? Developers could contribute code that implements these ideas and this would help the MQTT TC in the evolution of the spec. (Ian Skerrett)
- I'd like to see a focus on creating tools to test/debug/deploy MQTT apps. Tools like MQTTLens I think will be critical to the adoption of MQTT. Could Paho be home to them? (Ian Skerrett)
- I think the MQTT embedded security story could be greatly improved (Julien Vermillard) TLS and DTLS examples
- Device Management over MQTT (lots of people)

Key Challenges

- Java client ownership
- How to organize releases
 - Paho components are developed independently
- How to get GitHub-hosted projects contributed
 - Node.js
 - Ruby
 - both wanted to use GitHub issues

Collaboration Opportunities

- Device management over MQTT (LWM2M)
- Actively Soliciting Contributions for
 - PHP client
 - Ruby client
 - Node.js client
- Embedded work is mostly just myself
- As is the MQTT conformance testing